

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Declaration and Power of Attorney

As the below named inventors, we hereby declare that:

Our residence, post office address and citizenship are as stated below next to our name.

I hereby claim the benefit under Title 35, United States Code, 119(e) of any United States provisional application(s) identified below:

Provisional application No. 60/090,451, filed on June 24, 1998

We believe we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled **TWIN WAVEGUIDE BASED DESIGN FOR PHOTONIC INTEGRATED CIRCUITS** which is attached hereto.

We hereby state that we have reviewed and understand the contents of the above identified specification, including the claims, as amended by an amendment, if any, specifically referred to in this oath or declaration.

We acknowledge the duty to disclose all information known to us which is material to patentability as defined in Title 37, Code of Federal Regulations, 1.56.

We hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

None

We hereby claim the benefit under Title 35, United States Code, 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, we acknowledge the duty to disclose all information known to us to be material to patentability as defined in Title 37, Code of Federal Regulations, 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

None

We hereby declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

We hereby appoint the attorney(s) on ATTACHMENT A as associate attorney(s) in the aforementioned application, with full power solely to prosecute said application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected with the prosecution of said application. No other powers are granted to such associate attorney(s) and such associate attorney(s) are specifically denied any power of substitution or revocation.

Full name 1st joint inventor: Stephen R. Forrest

Inventor's signature Stephen R. Forrest Date 8/18/99

Residence: Princeton, Mercer County, New Jersey

Citizenship: USA

Post Office Address: 148 Hunt Drive
Princeton, New Jersey 08540

Full name of 2nd joint inventor: Milind Gokhale

Inventor's signature



Date 8/26/99

Residence: Princeton, Mercer County, New Jersey

Citizenship: India

Post Office Address: 117 Linden Lane North
Princeton, New Jersey 08540

Full name of 3rd joint inventor: Pavel Studenkov

Inventor's signature Naber B. Cunzemann Date 18 Aug. 99

Residence: Princeton, Mercer County, New Jersey 08540

Citizenship: Russia

Post Office Address: 707 Lawrence Apartments
Princeton, New Jersey 08540

ATTACHMENT A

Attorney Name(s):	<u>Henry J. Walsh</u>	Reg. N .:	<u>24,451</u>
	<u>John A. Ligon</u>		<u>35,938</u>
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	<u>David P. Krivoshik</u>		<u>39,258</u>
	<u>Carl A. Giordano</u>		<u>41,780</u>
	<u>Bosco B. Kim</u>		<u>41,896</u>
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Telephone calls should be made to Henry J. Walsh at Gibbons, Del Deo, Dolan, Griffinger & Vecchione at:

Phone No.: 973-596-4500 or 973-596-4858

Fax No.: 973-596-0545

All written communications are to be addressed to:

**Intellectual Property Docket Administrator
Gibbons, Del Deo, Dolan, Griffinger & Vecchione
One Riverfront Plaza, Newark, New Jersey 07105-5497**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:
Forrest et al.

Confirmation No.: 8094

Serial No.: 09/982,001

Group Art Unit: 2874

Issued: October 18, 2001

Examiner: Ullah, Akm E.

For: **TWIN WAVEGUIDE BASED DESIGN FOR PHOTONIC INTEGRATED CIRCUITS**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**POWER OF ATTORNEY WITH REVOCATION
AND CERTIFICATE UNDER 37 CFR § 3.73(b)**

Revoking any and all powers of attorney heretofore given in the matter of the above-entitled application, the undersigned, assignee of the entire interest in the above-identified application, hereby appoints the practitioners associated with Customer Number 23377 (which is the Customer Number assigned to WOODCOCK WASHBURN LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania, 19103) as attorneys for applicant(s), with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

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23377

Send all future correspondence and address all telephone calls to:

John W. Caldwell
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100

A Statement under 37 CFR § 3.73(b) and copies of the relevant documents accompanies this Revocation of Power of Attorney.

STATEMENT UNDER 37 CFR § 3.73(b)

The Trustees of Princeton University, a University of the State of New Jersey, states that it is:

the assignee of the entire right, title, and interest; or
 an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above.

1. The assignment was recorded in the Patent and Trademark Office at Reel 012064, Frame(s) 0689.

2. The assignment has not yet been recorded. A copy of the assignment is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
 Additional documents in the chain of title are listed on a supplemental sheet.
 Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.



Signature

Name: John F. Ritter

Title: Director, Office of Technology Licensing
A University of the State of New Jersey:
Trustees of the University of Princeton

Date: 7/21/03

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